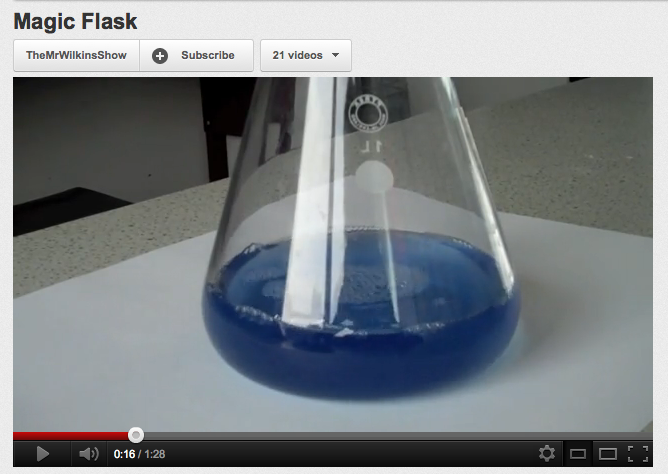
**Minds-On Activity: Magic Flask**

**Option A: YouTube Video**

http://www.youtube.com/watch?v=Lkt0NkEK8CA



**Option B: Teacher Demo**

Materials

* 400mL Erlenmeyer flask
* Rubber stopper
* Glass stir rod
* 250mL water
* Methylene blue
* Potassium hydroxide (5.0g)
* Glucose (3.0g)

\*Potassium hydroxide is poisonous and corrosive. Take caution and wash your hands after the demo.

Instructions:

1. Pour 250mL of water into the flask
2. Add 6 drops of methylene blue, potassium hydroxide and glucose to the flask
3. Mix with glass stir rod until solids dissolve
4. Plug flask with stopper
5. Shake flask vigorously until the solution turns blue.
6. Let flask sit until the blue colour fades.
7. Repeat 2-3 times.

Students will be given a sheet of paper to write down their thoughts as to what they think may be happening during this demo. These sheets of paper will be collected by the instructor to review and inform future lessons.